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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/550,725	12/15/2005	Takeshi Seki	2005_1511A	5987
	7590 11/28/200 , LIND & PONACK, I	EXAMINER		
2033 K STREET N. W. SUITE 800 WASHINGTON, DC 20006-1021			HARRIS, GARY D	
			ART UNIT	PAPER NUMBER
			1794	
			MAIL DATE	DELIVERY MODE
		11/28/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Applica	tion No.	Applicant(s)	Applicant(s)			
Office Action Summary		10/550,	725	SEKI ET AL.				
		Examin	er	Art Unit				
		GARY D). HARRIS	1794				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1) 又	Responsive to communication(s) file	ed on 29 October 20)O8					
·	•	2b)⊠ This action is						
′=	Since this application is in condition	<i>'</i> —		ters, prosecution as to th	ne merits is			
٠,ڪ	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
4)🖂	Claim(s) <u>9-16</u> is/are pending in the	application.						
•	4a) Of the above claim(s) <u>15 and 16</u> is/are withdrawn from consideration.							
	5) Claim(s) is/are allowed.							
· · · · · · · · · · · · · · · · · · ·	Claim(s) <u>9-14</u> is/are rejected.							
· ·	Claim(s) is/are objected to.							
·	Claim(s) are subject to restrict	ction and/or election	requirement.					
Applicati	on Papers							
9)□	The specification is objected to by th	e Examiner.						
, —	•		o) objected to	by the Examiner.				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
					CFR 1.121(d).			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	ınder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). 								
Attachmen 1) Notic 2) Notic 3) Notic	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (Ination Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date 1/6/2006.		4) Interview S Paper No(Summary (PTO-413) s)/Mail Date informal Patent Application				

DETAILED ACTION

Election/Restrictions

Applicant's election of Group I (Claims 9-14) by phone on 11/19/08 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 9 rejected under 35 U.S.C. 103(a) as being unpatentable over Baglin et al.

US 6,331,364.

As to Claim 9, Baglin et al discloses an Fe₅₅Pt₄₅ structure that goes from an ordered to a disordered state and resulting manipulation of coercivity (Col. 6, Line 34-56). Baglin '364 discloses the existence of a range of compositions of intermetallic is typically +/- 15 percent depending of the nature of the bond. It would have been obvious to optimize the range as this would be a results effective variable MPEP 2144.05 that would be optimized by one of ordinary skill in the art through routine

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Claims 9-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki et al. US 2002/0041980 in view of Baglin et al. US 6,331,364.

As to Claim 9, Suzuki et al. '980 discloses magnetic thin films of FePt (Paragraph 19) and having a composition ratio of 1 (Paragraph 65). Suzuki et al. '980 does not disclose a specific composition range of Fe_xPt_{100-x} (19<x<=52). However, it would have been obvious to optimize the Fe/Pt ratio as Baglin et al discloses an Fe₅₅Pt₄₅ structure that goes from an ordered to a disordered state and resulting manipulation of coercivity (Col. 6, Line 34-56), it would have been obvious as this would be a results effective variable MPEP 2144.05 that would be optimized by one of ordinary skill in the art through routine experimentation to achieve ordering/disordering state and thereby manipulating coercivity.

As to Claim 10, Suzuki et al. '980 discloses a thickness of the L10 structure of from 3 to 100nm.

As to Claim 11, Suzuki et al. '980 discloses an MgO (Paragraph 19).

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As to Claim 12, Suzuki et al. '980 discloses the use of noble metals including Au (Paragraph 45).

As to Claim 13, Suzuki et al. '980 discloses single layer films (Paragraph 6), and a multilayered films (Paragraph 53).

As to Claim 14, Suzuki et al. '980 discloses an underlayer with an element selected from Cr, Pt, Au and Fe (Paragraph 48).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to GARY D. HARRIS whose telephone number is (571)272-6508. The examiner can normally be reached on 8AM - 5PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Donald Tarazano can be reached on 571-272-1515. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Gary D. Harris/ Examiner, Art Unit 1794

/Holly Rickman/ Primary Examiner, Art Unit 1794